

Title (en)

METHOD FOR PRODUCING A ROLLER-PRINTING COLOUR STEEL PLATE WITH MULTICOLOURED PATTERNS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MITTELS WALZEN BEDRUCKTEN STAHLPLATTE MIT MEHRFARBIGEN MUSTERN

Title (fr)

PROCÉDÉ DE PRODUCTION DE TÔLE D'ACIER COLORÉE IMPRIMÉE AU ROULEAU À MOTIFS MULTICOLORES

Publication

**EP 2974881 A1 20160120 (EN)**

Application

**EP 13878475 A 20130628**

Priority

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- CN 2013078390 W 20130628

Abstract (en)

The present invention provides an advanced method for producing a colour steel plate with multicoloured patterns, on the one hand, the PLC control module of the servo control system collects the process speed and the rotation speed of each roller of the roller coating unit, calculates out the theoretical roller surface linear velocity and makes the theoretical roller surface linear velocity be consistent with the process rotation speed; on the other hand, the actual roller surface linear velocity of each roller of the roller coating unit is collected by a servo control module having an encoder, and the signal of the actual roller surface linear velocity is input into the PLC control system, so that the PLC control system can compare the actual roller surface linear velocity with the theoretical roller surface linear velocity, and adjust current frequency until the actual roller surface linear velocity is consistent with the theoretical roller surface linear velocity. The above mentioned control method ensures the actual roller surface linear velocity is consistent with the process rotation speed, so there is no need to stop the line for adjusting in the production process, thus increasing the production efficiency.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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